Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Canceled)

2.   (Currently Amended) An IP address setting system, comprising:

a plurality of nodes of a network, each node having a storing unit that prestores a particular multicast address, each node providing notification that the node is a ~~member of~~ a~~member of the~~ particular multicast ~~address;~~ address prestored in the storing unit; and

an IP address setting device, comprising:

a request packet transmitting unit that transmits a request packet to the particular multicast ~~address,~~ address prestored in the storing unit of each node, the request packet requesting transmission of MAC addresses from the nodes of the network;

a response reception unit that receives responses from the nodes to the request packet transmitted by the request packet transmitting unit, each response including the MAC address of a corresponding node;

an address information designation unit (1) that, based on the responses received from the nodes by the response reception unit, designates one node to be set with address information including an IP address and (2) that designates the address information, wherein the address information designation unit includes:

a display that displays a list of nodes that transmitted responses;

a selection unit that enables a user to designate the one node to be set with address information from the list; and

an address information setting unit that designates the address information for the one node; and

a setting packet transmission unit that transmits a setting packet to the particular multicast address, the setting packet including the address information set by the address information designation unit and the MAC address included in the response of the one node.

3-6.   (Canceled)

7.   (Currently Amended) An IP address setting method comprising:

notifying that each of a plurality of nodes of a network is a member of a particular multicast address;address, each node having a storing unit that is prestored with the particular multicast address;

transmitting a request packet to the particular multicast address,address prestored in the storing unit of each node, the request packet including a request for a MAC address from the nodes of the network;

receiving responses from the nodes to the request packet, each response including the MAC address of a corresponding node;

displaying a list of nodes that transmitted responses;

determining selection of one node to be set with address information, designated by a user from the list;

designating the address information, including the IP address, for the one node; and

transmitting to the particular multicast address a setting packet including the address information and the MAC address included in the response from the one node.

8-10.   (Canceled)

11.   (Previously Presented) The IP address setting system according to claim 2, further comprising a router, the nodes and the IP address setting device communicating via the router.

Application No. 09/820,761

12-14. (Canceled)

15.   (Previously Presented) The IP address setting method according to claim 7, wherein the request packet and the setting packet are transmitted from an IP address setting device via a router to the particular multicast address of the nodes.

16.   (New) The IP address setting system according to claim 2, wherein each node transmits, in response to the request packet, the response to the particular multicast address to which the request packet transmitting unit transmits the request packet, the response including the MAC address of the corresponding node.

17.   (New) The IP address setting method according to claim 7, further comprising transmitting, in response to the request packet, the response of each node to the particular multicast address to which the request packet transmitting unit transmits the request packet, the response including the MAC address of the corresponding node.

18.   (New) The IP address setting system according to claim 2, wherein each node of the plurality of nodes has the particular multicast address prestored in the storing unit prior to being included as a node on the network.

19.   (New) The IP address setting method according to claim 7, wherein each node of the plurality of nodes has the particular multicast address prestored in the storing unit prior to being included as a node on the network.